KIM SIN KHEB, [Kim Sin Heb], student biolog.fakul'teta; FAYTEL'BERG.
R.Y., mauchnyy rukovoditel', prof.

TO DE LOS TRESESTADOS REPORTADOS EN ESTADOS ENTENCIAS. EN ESTADOS ENTENCIAS. ENTENCIAS ENTENCIAS ENTENCIAS EN ESTADOS EN

Absorption of chlorides in the cecum following reduction in the blood supply to the brain in sheep. Pratsi Od.un. Zbir. stud.rob. 149 no.5:173-176 159. (MIRA 13:4)

1. Odesakiy gosudarstvennyy universitet. (CHLORIDES IN THE BODY) (BRAIN--BLOOD SUPPLY) (CECUM)

ALITER, N.A., student biolog.fakul'teta; PASTUSHOK, L.A., atudent biolog.fakul'teta; FATTEL'BERG, R.Y., nauchnyy rukoveditel', prof.

Biopotentials of the heart following excitation and inhibition of the central nervous system; effect of bromine and caffeine. Fratsi Od.un. Zbir.stud.rob. 149 no.5:177-181 (MRA 13:4)

1. Odesskiy gosudarstvennyy universitet.

(MERVOUS SYSTEM) (ELECTROCARDIOGRAPHY).

FAYTEL BERG-BLANK, V.P.

Change in the absorptive and secretory functions of the stomach in experimental ulcers during the action of high-frequency physical agents on the organism. Pat.fiziol.i eksp.terap. 9 no.4:90 Jl-Ag '65. (MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut kurortologii i fizioterapii (direktor - dotsent F.Ye.Kurkudym; konsul'tant - akademik V.N.Chernigovskiy), Odessa.

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PATTEL'BERG-BLANK, V.R. P.A.Spiro, an acutetanding Russian physiologist. Fixiol.shur. Mr-Ap '55. 1. Odes'kiy medichniy institut, Kafedra patologichnoi fixiologii. (SPIRO, FETR ANTOHOVICH, 1844-1893)

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PAYTEL BERG-BLANK, V.R.

Materials on I.M.Sechenov's stay in Odessa. Fiziol.zhur. [Ukr.] 2 no.1:7-11 Ja-F '56. (MLRA 10:1)

1. Odestkiy medichniy institut imeni M.I.Pirogova, kafedra istorii meditsini.

(SECHENOV. IVAN MIKHAILOVICH. 1829-1905)

FAYTEL'BERG-BLANK, V.R.

USSE/Human and Animal Physiology General Problems

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36079.

Author : Fattelberg-Blank, V.R., Sostura, U.B.

Inst Title

: Absorption of Radio Active Phosphorus from the

Pleural Cavity

Orig Pub: Bul. eksperim. biol i meditsiny, 1957, 43, No 3, priloz-

henie, 64-68

Abstract: p32 in doses of 50 million impulses/1 mm/1 kg of body weight was injected in the pleural cavity of rabbits under manemetric control. p32 appeared in the blood within 3 minutes, reaching its maximum concentration within 20-30 min. Within 2 hours p32 appeared in the liver and the lungs. Artificial pneumonothorax slowed

down the initial absorption, but after 2 hours its de-

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USSR/Human and Animal Physiology. General Problems.

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Abs Jour: Ref Zhur-Biol., No 8, 1958, 36079

posit in the lungs and liver proceeded in a greater degree than in control animals. The storage of P^{32} is lower in the collapsed lung than in the normal one.

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and the desirence of the state PAYTEL BURG-BLANK, V.R. Influence of the cetral nervous system on the absroption of radioactive phosphorus from the plyeral cavity [with summary in English]. Ukr.biokhim.shur. 30 no.4:539-551 58 (MIRA 11:9) 1. Kafedra fiziologii zhivotnykh Odesskogo sel'skokhozyaystvennogo instituta. (PLEURA) (PHOSPHORUS IN THE BODY) (SLEEP)

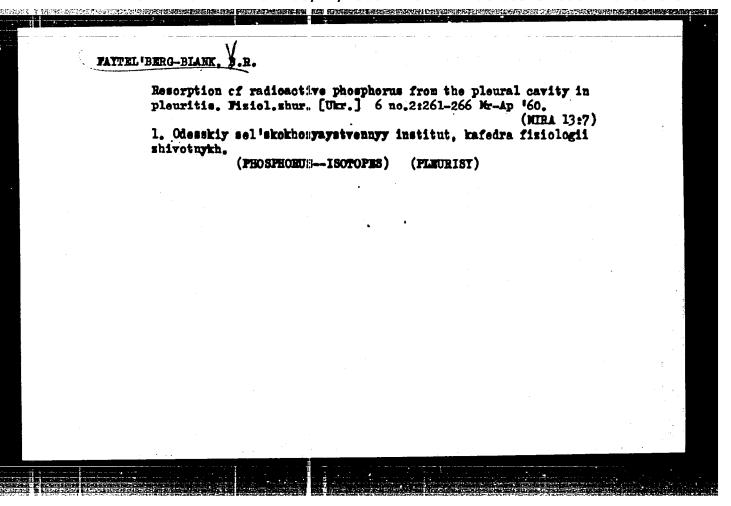
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FAYTEL'HERG-HLANK, V. P., Cand of Med Sci -- (diss) "Studying the Absorption Capacity of a Fleura for Various States of an Organism With the Aid of Copper Atoms. Stalino, 1959, 26 pp (Stalino Medical Institute im A. M. Gor'kiy) (KL, 7-60, 110)

Absorptive capacity of the pleura under conditiones of high environmental temperature. Vrach, delo no.4:389-390 Ap '59. (MIRA 12:7)

1. Nauchnyy rukovoditel' raboty - prof. A.O. Voynar. (PIMURA) (RADIOISOTOPES--PHYSIOLOGICAL EFFECT)

(HEAT--PHYSIOLOGICAL EFFECT)



Effect of the autonomic nervous system on the absorption of radioactive phosphorus from the pleural cavity. Fiziol.zhur. 47 no.3: 325-328 Mr '61. (MIRA 14:5) 1. From the Animal Physiology Chair of the Agricultural Institute, Odessa. (NERVOUS SYSTIM, AUTONOMIC) (PHOSPHORUS METABOLISM) (PLEURA)

FAYTEL BERG BLANK V.R.

Effect of ultrasonic waves on the absorptive activity of the stomach and intestines. Fiziol. zhur [Ukr.] 8 no.4:507-512 J1-Ag '62.

1. Ukrainskiy nauchno-issledovatel'skiy institut kurortologii i fizioterapii, Odessa.

FAYTEL'BERG-BLANK, V.R., kand.med.nauk (Odessa)

Effect of a UHF electrical field on the absorbtive activity of the stomach and intestines. Vrach.delo no.8:92-94 Ag '62.

(MIRA 15:11)

1. Ukrainskiy institut kurortologii i fizioterapii.

(STOMACH) (INTESTINES) (ELECTROPHYSIOLOGY)

S/021/62/000/010/008/008 D251/D307

27.1100

Faytel berk - Blank, V.R.

AUTHOR:

The effect of centimeter band radio waves on the absorption of amino acids, chlorides and water in the stomach and intestines

PERIODICAL:

Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 10, 1962, 1367 - 1370

TEXT: The author states that although therapeutic uses have been found for high-frequency waves, no work has yet been done on the effect of centimeter-band radio waves on the absorptive action of the stomach and intestine. Experiments were conducted on 6 dogs with Pavlov sacs and 3 dogs with an isolated loop of the small intestine to compare the absorption of amino acids, chlorides and water in the natural state and under high frequency radio-waves of the centimeter band. A 50 w radio-wave field was applied for 10 minutes. Experimental details of the apparatus are given. The amino acids were investigated by D.A. Tsuverkalov's method and the chlorides by Rushnyak's modification of Fol'hardt's method. It was Card 1/2

The effect of centimeter band ...

S/021/62/000/010/008/008 D251/D307

shown that, although the amount of intensification varied from dog to dog, the radio waves produced a definite intensification of the absorption of amino acids, chlorides and water. There are 3 figures.

ASSOCIATION: Ukrayins'kyy n-d. instytut kurortolohiyi ta fizioterapiyi (Ukrainian s-r. Institute of Natural Medicinal

Factors and Physiotherapy)

PRESENTED: by Ye.B. Babs'kyy, Academician

SUBMITTED: February 12, 1962

Card 2/2

FAYTEL'BERG-BLANK, V.R.

Effect of centimeter-band radio waves on the absorption of amino acids, chlorides and water in the stomach and intestines. Dop. AN URSR no.10:1367-1370 '62. (MIRA 18:4)

l. Ukrainskiy nauchno-issledovateliskiy kurortologii i fizioterapii.

FAYTEL BERG-BLANK, V.R.

Absorptive activity of the stomach and intestine under the influence of ultrahigh frequency electric fields. Fiziol.zhur. 48 no.6:735-741 Je '62. (MIRA 15:8)

L 16606-63 EWP(q)/EWT(m)/BUS AFFTC JD S/238/63/009/002/002/003
AUTHOR: Faytel'berh-Blank, V. 1.

TITIE: Permeability of uninjured skin to radioactive phosphorus and calcium under the influence of galvanic current

PERIODICAL: Fiziolohichnyy zhurnal Akademii nauk UkrSSR, v. 9, No. 2, 1963,

TEXT: The purpose of the investigation was to study the permeability of uninjured skin under the influence of different density galvanic currents and at different sizes of gaskets with different amounts of ions. The permeability of skin to radio-active calcium and phosphorus was determined without the use of galvanic current, with galvanic current of 0.1, 0.2 and 0.5 ma/cm² as well as with doubling the area of gasket. In addition a series of experiments were conducted in which the amount of ions on the gasket were doubled and the direction of current reversed. It was established that Na₂Hp³²O₄ placed on undamaged rabbit skin in the form of aqueous solution penetrates into the organist. The galvanic current increases the permeability of skin to radioactive phosphorus, especially after cessation of the action of radioactive phosphorus following the galvanic current treatment by the formation of

Card 1/2

L 16606-63

Permeability of uninjured

chemically active substances in the skin, which react on cell elements and increase their permeability. The increase in the area of the gasket increases permeability of the skin, particularly under the action of galvanic current. Radicactive calcium in the form of CaCl₂ does not permeate the skin. Galvanic current does not aid permeability of skin to calcium. There are 4 figures.

ASSOCIATION: Ukrainskyy naukovo-doslidnyy instytut kurortolohii i fizioterapii (Ukrainian Scientific lesearch Institute of Resorts and Physiotherapy), Odessa

SUBMITTED: January 26, 1961

FAYTEL BEIG-BLANK, V.R.

Effect of long-wave disthermy on gastric and intestinal absorptive activity. Biul. eksp. biol. i med. 56 no.8:70-74 Ag '63. (MIRA 17:7)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii (direktor - dotsent F.Ye. Kurkudym). Predstavlena deystvitel'nym chlenom AMN SSSR V.N. Chernigovskim.

FAYTEL BERG-BLANK, V.R.

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Mechanism of the action of ultrasonics on the processes of absorption in the gastrointestinal tract. Fiziol. zhur. [Ukr.] 10 no.2:227-235 Mr-Ap 164. (MIRA 18:7)

1. Ukrainskiy nauchno-issledovateliskiy institut kurortelegii i fizioterapii, Odessa.

L 18290-65 Pa-4 AMD ACCESSION NR: AP4045935

5/0238/64/010/005/0647/0654

AUTHOR: Faytel berg-Blank, V. R.

TIME: Participation of the central and vegetative nervous systems in the mechanism of ultrasonic action on the absorption processes in the gastrointestinal tract

SOURCE: Fiziologichnysy zhurnel, r. 10, no. 5, 1964, 663-670

TOPIC TAGS: ultrasound, ultrason c effects, central nervous system, vegetative nervous system, absorption process change, gastrointestinal tract, dog

ABSTRACT: A study was conducted of the participation of the central and vegetative nervous systems in the mechanism of ultrasonic action on the absorption processes in the gastrointestinal tract, a subject not previously discussed in the literature. Six dogs with stomach pouches isolated by Pavlov's method and eight dogs with intestinal loops isolated by Thiry's method were used in the investigations. The functional state of the central nervous system and the reticular formation of the brain were altered by strychnine, chloralhydrate, barbamyl, and aminazine; the vegetative nervous system was altered by atropin, carboxylin, ergotoxin, adrenalin, and proserin. The ganglia were excluded by hexonium. The effect of ultrasonic vibrations on the absorption processes in the gastrointestinal tract was

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investigated against	this back round. The inves	fortions showed that	
tral and vegetative nerro	us system participate in th	e mechanism of ultrase	min and
ion on the absorption pro 4 figures	cesses in the gastrointestin	al tract. Orig. art.	nas:
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3/0219/64/057/001/0045/0048 ACCESSION NRI AUTHOR: Paytel berg-Blank, TITLE: Effect of high-frequency centime activity of the stomach and intestines SOURCE: Byulleten' eksperimental'noy biologii i meditsiny*, v. 57, no. 1, 1964, 45-48 TOPIC TAGS: centimeter wave, glucose absorption, high frequency wave, biological microwave effect ABSTRACT: The effects of irradiation by centimeter waves on the absorptive capacities of an inolated atomach pouch, filled with 20% glucose for 60 min, and an isolated loop of intestine, filled with 7% glucose for 30 min, were studied. Six dogs were used in 420 experiments. A Luch-58 generator producing 10-cm waves at a frequency of 2407 Mc was used. The epigastric area, the cervical sympathetic-node area, and the left posterior surface of the hip we're exposed to doses ranging from 50 to 200 w for 10 or 20 min. Exposure of the epigastric area to 50-w centimeter waves for 10 min

ACCESSION NR: AP4005666 increased glucose absorption in the stomach from 18.9% to 29.4% in the intestine, from 62.6 to 72.5%. Similar effects were produced when power was increased to 70 W. At 120 w; glucoke absorption in the stomach increased from 18.9% to 37%. When the duration of exposure to the 50-w dose was increased to 20 min, effects on glucose absorption were less pronounced. . (Absorption increased in some cases and dropped in others.). Irradiation of the cervical sympathetic-node area and the laft posterior surface of the hip resulted in increases in absorption more or less similar to those produced by irradiation of the apigastric area. Irradiation of the epigastric area resulted in a temperature increase of 1.5-2.0C in the stomach and intestine, but irradiation of the other parts of the body resulted in an increase of only 0.8-1.0C. The authors conclude that the effect on the absorptive function of the stomach and the intestine is due to the thermal as well as the oscillatory factors of the centimeter waves. Orig. art. has: 3 figures, ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiv institut kurortologii i khimioterapii (Ukrainian Scientific Research Institute of Rest Cure and Chemotherapy)

ACCESSION MR4 APAOASONA

8/0020/64/158/006/1459/1462

AUTHOR: Paytel'berg-Blank, V.

TITLE: The influence of high-frequency inductothermal currents with different physical characteristics on the absorptive activity of the gastro-intestinal tract

SOURCE: AN SSSR. Doklady . . 158, no. 6, 1964, 1459-1462

ABSTRACT: Sections of the stom ch and small intestine of 8 dogs were isolated (Pavlov method) is order to study the effects of inductothermy on absorption act (vity. Stomach sections were placed in a 20% glucose solution for I hr and small intestine sections were placed in a 7% solution for 30 min. A DKV-2 generator was used for inductothermy (vavelength - 44 m; 6.78 Mc); it was also operated at a frequency of 13.56 Mc with a 22-m wavelength. The field strength was 160-280 memp and the duration of exposure was 10 min. Gastric and intestinal absorption was higher at 6.78 Mc (280 mamp) than at 13.56 Mc. Changes in gastroint stinal absorption were also observed at 13.56 and 6.78 Mc (160 mamp) during a 10-min exposure. The author

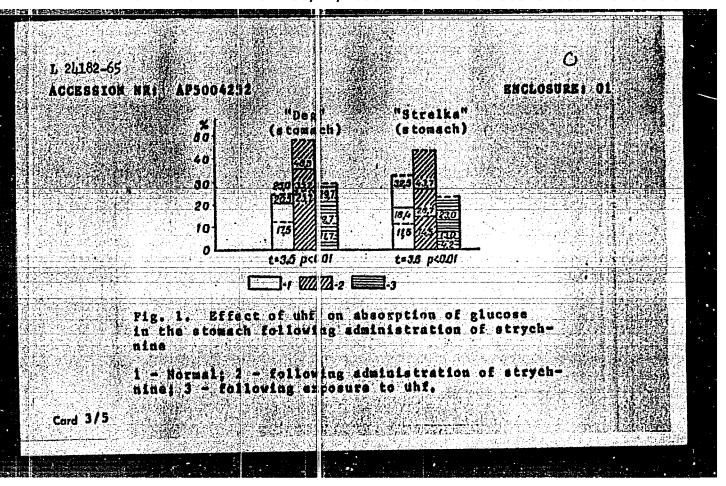
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feels that changes in absorption istics of the inductothermic ag	depend upon the physical cheracter- nt. The different levels of gastro-
 intestinal resorption at different	nt frequencies may help to explain ects of high-frequency generators.
 The explanation of the thermal	roscillatory factor in the mechanism act of further investigations. Orig.
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stitute of Belneology and Physic	apii, Odessa (Ukrainian State In- therapy)
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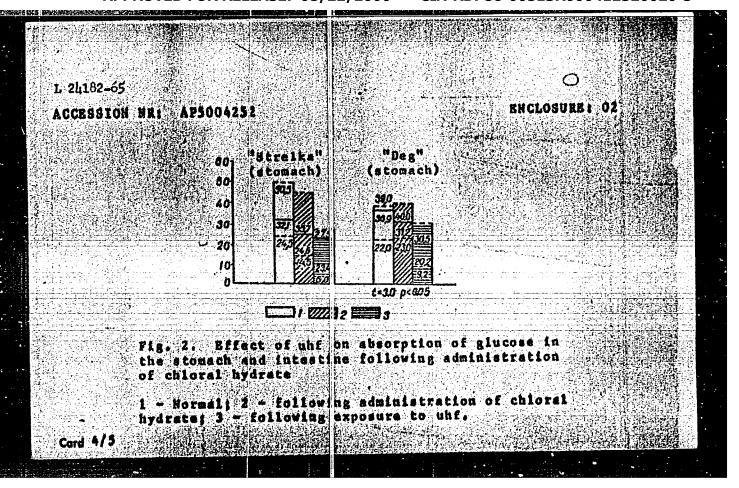
L 24182-65 8/0021/65/000/001/0113/0116 ACCESSION NR AUTHORI Paytel berg-Blank, V. R. TITLE: Role of the CMS and ad tonomic nervous system in the mechan of the action of whi on gastro intestinal absorption processes SOURCE: AN Ukrasa. Dopovidi, no. 1, 1965, 113-116 TOPIC TAGS: gastrotistestinel beorption, unf, microvave effect, CHQ, autonomic pervous eystem, central nervous system ABSTRACT: Ten dogs, 5 with their stomache feelated by means of Pavlov pouches and 5 with an intestinal loop isolated by Thiry's method, were exposed to uhf (2307 Mc) irradiation. Prior to irradiation, changes were induced in the CNS and relicular formation of the experimental animals by the administration of strychnine, chloral hydrate, barbanti and aminasine, and is the autonomic nervous system by the administration of atropine, carbocholine, argotoxin, adrenalin, and proserine. Hexonium was used to block the intervertebral ganglia. The results ere shown in Fige. 1 -1 of the Euclosure. The author concludes that system do participate in the mechanism the CHS and autonomia nervous Cord 1/5

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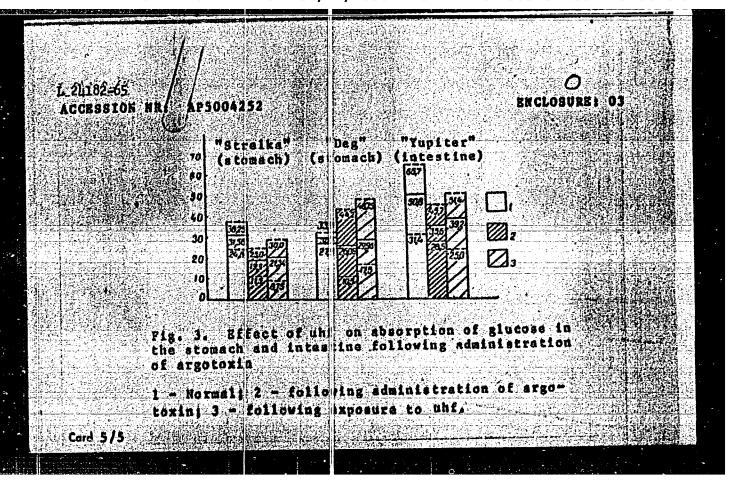
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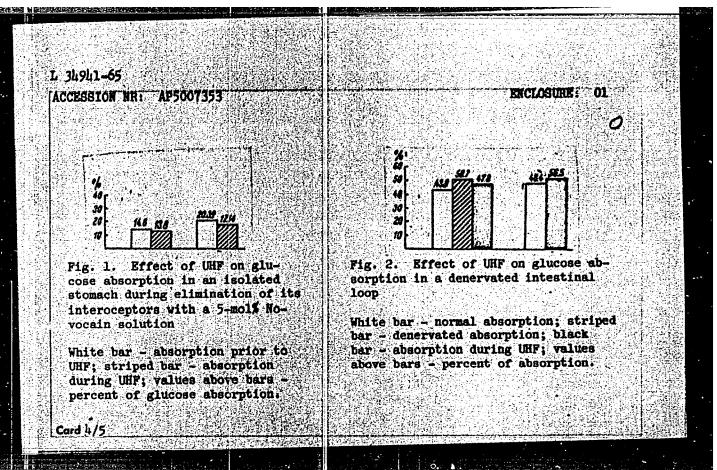
FAYTEL'BERG_BLANK, V.R. (Odessa)

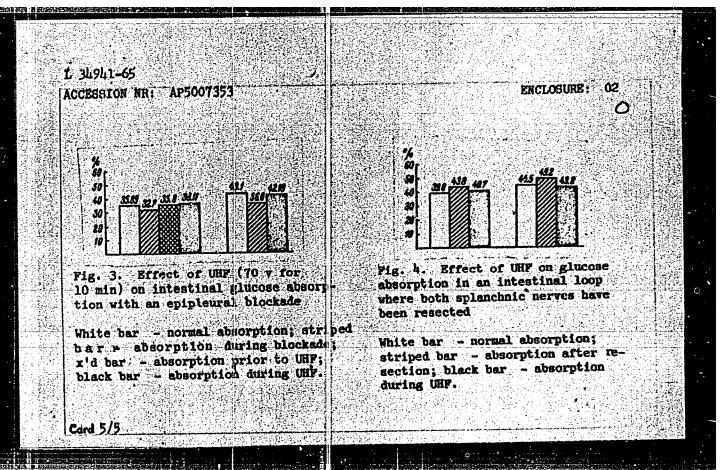
Effect of inductotherm; on the absorptive activity of the stomach and intestine. Vop. kur., fizioter. 1 lech. fiz. kul't. 30 no.4:306-309 Jl-Ag '65. (MIRA 18:9)

3k9k1-65	3/840(v)/840(a)/840(c) Pe-5 DD
ACCESSION NR: AP5007353 AUTHOR: Faytel'berg-Blank, Vi R.	8/0239/65/051/003/0372/0377
during irradiation by UNF centimeter SOURCE: Fiziologicheskiy zhurnal SSI	bsorptive activity in the stomach and intestine radio waves
system ABSTRACT: The author studied how UHI effect of the nervous system on this diated. A total of 16 dogs; 6 with	influenced gastrointestinal absorption and the process when the epigastral region was irra- solated stomach pouches (Pavlov method) and 10
were also used. In all, 910 tests we duced into stomach pouches in a 20-mm 60 min. A 7-molf glucose solution we A "Luch-58" generator was used to irr To study how skin and gastromucosal:	(Thiry method), were studied. Twenty rabbits re-conducted on the dogs. Glucose was intro- 1% solution, and absorption was studied for solution into intestinal loops for 30 min. adiate preparations with 12.6-cm waves (2307 mc). sceptors participated in UNF-induced absorption
processes, Novocain was used to desci	ivate them in a 0.5-mol% solution for skin re- for gastromucosal receptors. Intestinal loops

L 34941-65 0 AP5007353 ACCESSION NR: were also denervated by means of reach tion of all visible nerves. To study the mechanism of vagus and sympathetic ne was in UHF-induced absorption processes, Novocain (0.25-0.5 molf) was used to sublimate vagosympathetic trunks. To clarify the mechanism of the central nervous ystem in UHF responses, intervertebral ganglis were eliminated with a 0.7-mol\$ Royog in solution. The results of the experiment are shown in Figs. 1—4 of the Enclos re. It was demonstrated that the skin, stomach, and intestinal receptors played a large part in transmitting the effects of UHF to gastrointestinal absorption. When a portion of skin with receptors eliminated was irradiated with 70 v, absorption activity either did not change or increased slightly but to a much lesser degree than pride to the elimination of skin receptors. Elimination of gastrointestinal interoceptors significantly altered the effects of UHF on absorption. These data agree with other investigations which have established the role of interoceptors in maintaining the functional condition of various tissues and organs. The present study has shown that in addition to neural elements of the stomach and intestine, the splanchnic and vagosympathetic trunks and the external nervous system of the stomach and in estine play a significant role in the mechanism of the effect of microweves on gastreintestinal absorption. However, since shifts in absorption were also observed in denervated intestinal loops, it is probable that humoral factors also play an important part. The data also showed that IMF altered Card 2/5

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cell respiration in gastrointe function, or it may indicate thas: 4 figures. ASSOCIATION: Otdel fizioteraphical fizioteraphic	he direct effect of micro iii Ukra pskogo nauchno-is dessa (Ihysiology Departm	waves on cells. Orig. a [(sledovatel'skogo institu	rt. CD] ta
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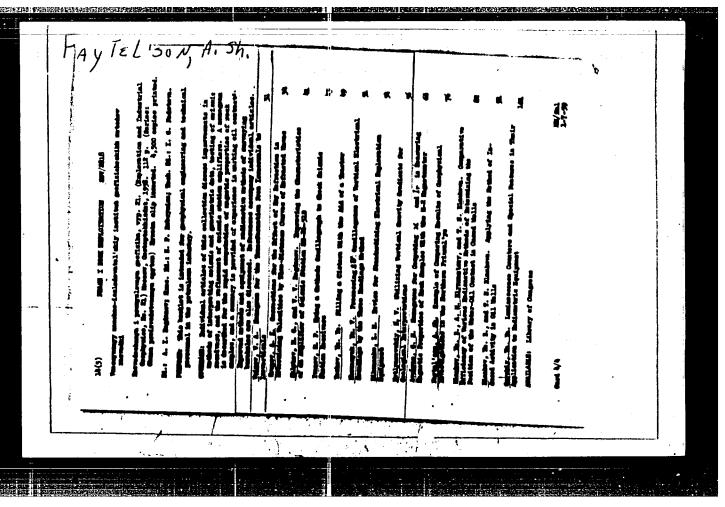


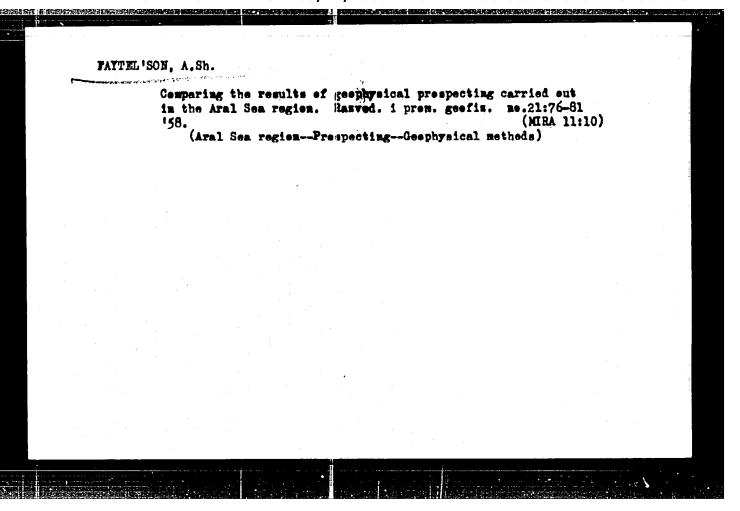
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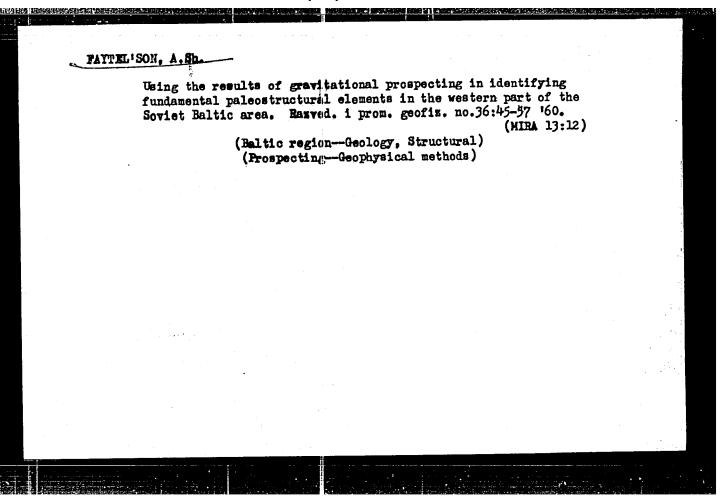
Effect of high frequency physical agents on the absorption of radioactive phosphorus in the intestine. Fiziol. zhur. [Ukr.] 11 no.6:802-807 N-D '65. (MIRA 19:1)

1. Otdel fizioterapii Ukrainskogo nauchno-issledovatel skogo instituta kurortologii i fizioterapii, Odessa. Submitted March 13, 1965.

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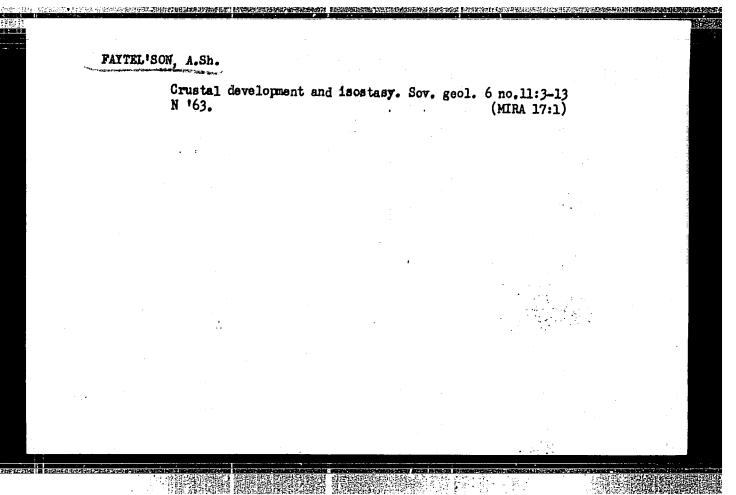


FAYTEL'SON, A.Sh. The Riga Pre-Devonian Depression. Dokl. AN SSSR 140 no.1:211-214 (MIRA 14:9)

s_0 '61.

1. Gosudarstvennaya soyumnaya spetsial'naya geofizicheskaya kontera "Spetsgeofizika". Predstavleno akademikom A.L.Yanshinym.
(Riga region--Geology, Structural)

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FAYTEL'SON, A.Sh.

Genetic classification of platform tectonic patterns and paleotectonic constructions according to the data of basement block structure. Sov. geol. 8 no.1:76-94 Ja *65.

(MIRA 18:3)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520020-5"

ACC NR. AP6035599

SOURCE CODE: UR/0387/66/000/010/0069/w.

AUTHORS: Faytel'son, A. Sh.; Khazanova, P. B.; Petrova, M. M.

ORG: State Geological Committee SSSR, Office of Special Geophysical Exploration (Gosudarstvennyy geologicheskiy Komitet SSSR, Spetsgeofizika)

TITLE: Dependence of head-wave velocity on depth, and the structure of the upper parts of the crystalline basement (according to results of seismic and gravity field studies in the contral and northwestern parts of the Russian platform)

SOURCE: AN SSSR. Izvestiya. Fizika Zemli, no. 10, 1966, 69-73

TOPIC TAGS: earth crust, earth gravity, seismic modeling

ABSTRACT: Seismic work on the central Russian platform and in the Baltic region in recent years has shown variations in head-wave velocities for different segments of the basement; these depend on rock densities (as revealed in size and sign of anomalies). Velocity data have been placed on a graph of velocity versus depth of basement, and comparisons have been made with curves, obtained from laboratory data, of velocity versus pressure, with depth indicated as a function of pressure. Pressure on basement rocks was computed according to the formula P = σ H, where σ is the density of the sedimentary layer, assumed to be 2.4 g/cm³. Curves for two possible types of basement rocks were selected for comparison: granite and gabbro. The effect of refraction is less than previously assumed, probably because of temperature effects.

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ACC NR: AP6035599

Comparisons were also made with gravity profiles. Lowest velocities correspond to zones with lowest gravity values, and highest velocities correspond to greatest gravity values. Three models of basement structure are proposed: gradual lateral change from material of one density to another, a sharp break along a vertical boundary, and a sharp break along an inclined boundary. The authors conclude that the third model is best for the investigated region. Orig. art. has: 3 figures.

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SUB CODE: 08/ SUBM DATE: 14Sep65/ ORIG REF: 004/ OTH REF: 001

Card 2/2

ACC NR: AP7013717

SOURCE CODE: UR/0215/66/000/012/0115/0118

AUTHOR: Faytel'son, A. Sh.

ORG: Spetsgeofizika

TITLE: New data on the geological structure of the central and northwestern regions of the Russian platform

SOURCE: Sovetskaya geologiya, no. 12, 1966, 115-118

TOPIC TAGS: tectonics, physical geology, map

SUB CODE: 08

ABSTRACT: The principal characteristics of the internal structure of the Precambrian crystalline basement of the central and northwatern parts of the Russian Platform are reflected in the gravity and magnetic anomalies. The strongest tectonic movements occurred in this region prior to the Middle Devonian; the principal features of the relief of the surface of the basement of the Devonian have still been preserved in its present relief. In the distribution of the thicknesses of the pre-Devonian deposits there is a dependence on the internal structure of the basement and on the motion of its individual blocks, whose outlines are clearly revealed by the gravity and magnetic anomalies. On the

UDC: 551.1(470.24470.3)

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ACC NR: AP7013717

paleotectonic map accompanying this article the complex of pre-Devonian deposits is revealed from the gravity and magnetic data; the map shows the boundaries of the large blocks of the basement, lines of equal thicknesses and the principal tectonic elements. The article also is accompanied by a map of the principal elements of relief of the surface of the crystalline basement. The uplifted and subsided parts of the basement can be distinguished clearly on the basis of gravity ancralies. This can be attributed not so much to a change in the thickness of the above-lying sediments as to the different composition of the blocks of the basement. The movements of the blocks had a different sign, as can be seen, in particular, from a comparison of the pro-Devonian structural plan with the thicknesses of the above-lying deposits. There is a clear. relationship between the density of the rocks of the blocks and the sign of the structural forms. The structural plan of the crystalline basement for the most part duplicates the structural plan of the pre-Davonian, confirming that in subsequent pariods tectonic movements were relatively less expressed. Orig. art. has: 3 figures. /JPRS: 40.106/

Cord 2/2

L 13481-66 EWT(m)/EWP(1)/T

ACC NR: AP6002222 (A) SOURCE CODE: UR/0080/65/038/012/2848/2850

SPERMINERAL MARKET SPERMINE BURNESS BU

AUTHOR: Voronkov, M. G.; Faytel'son, F. D.

ORG: Institute of Organic Synthesis AN Latvian SSR (Institut organi cheskogo sinteza AN Latviyskoy SSR)

15.44.35 TITLE: Low temperature setting of organosilicon resins, lacs and ena-

mels

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 12, 1965, 2848-2850

TOPIC TAGS: organosilicon compound, silicon plastic, resin, plastic coating, secondary amine, MOUSTRIAL CATALYST

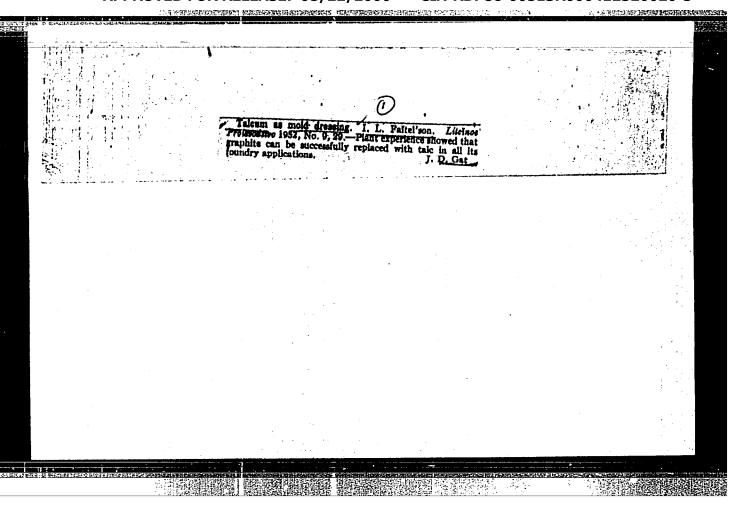
ABSTRACT: Two higher secondary amines (n-C4H9)2NH and (n-C5H11)2NH, were evaluated as catalysts for setting (hardening) silicoorganic resins, lacs, and enamels at 20°C. The object of the work was to compare low temperature catalytic setting of silicoorganic resins with high temperature (200°C) non-catalytic setting technique. Secondary amines in the amount of 0.2-0.5 wt % were added to commercial K-41, K-43, K-44, K-48 and K-54 silicoorganic resins containing such pigments as TiO2 and Sic. The resins were sprayed onto a copper base. The setting period was in the 20-240 min range. It was found that eliphatic secondary

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UDC: 661.718.5

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SOV/137-57-1-728

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 1, p 94 (USSR)

Faytel'son, I. L. AUTHOR:

An Improved Mold-fabrication Technology for Housings of the Ninth TITLE:

Size Group of a Single Series (Ratsional'naya tekhnologiya formovki

stanin 9-go gabarita yedinoy serii)

PERIODICAL: Inform.-tekhn. sb. M-vo elektrotekhn. prom-sti SSSR, 1956,

Nr 9, pp 8-11

ABSTRACT: Description of the mold fabrication for housings for electrical

machinery. The making of mold boxes and rods is done on machines of the "German-3000" type. The rod is used in the green state. This

technology yields top-quality castings and elevated output.

I.B.

Card 1/1

FAYTEL SON I.L. inshener.

Machine molding of frames of the thirteenth bulk category using green cores. Vest.elektroprom. 27 no.5:48-52 My '56.

(MLRA 9:12)

ADAMESKU, R.A.; KUDRYAVISEV, I.P. [deceased]; FAYTELISON, 1.M.; CELID, P.V.

Characteristics of texture formation during the sold colling of silicon iron with low and medium degrees of deformation.

Izv. vys. ucheb. zav.; chern. met. 8 no.10x106-109 '65.

(MIRA 1819)

1. Ural'skiy politekhnicheskiy institut.

FAYTEL'SON, L. (Riga); KAZAKS, K. (Riga)

Determination of the molding properties of concrete mixtures. In Russian. Vestis Latv ak no.5:55-60 '60. (EEAI 10:7)

STEP AND THE DESIGNATION OF THE PROPERTY OF TH

1. Akademiya nauk Latviyskoy SSR, Institut stroitel'stva i arkhitektury.
(Concrete)

FAYTEI	ISON, L. (Riga)				
	Concerning th	e concrete v	ibromixing	mechanis	m. Vestis Latv ak	no.6:
	47-50 160.			(EEA	I 10:9)	
	1. Akademiya arkhitektury.	nauk Latviys	koy SSR, I	etitut s	troitel'stva i	
		(Vibra	ted concre	te)		
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FAYTEL'SON, L. A.

Cand Tech Sci - (diss) "Vibro-mixing of concrete mixtures."
Moscow, 1961. 17 pp; with diagrams; (Academy of Construction and Architecture USSR, Scientific Research Inst of Concrete and Reinforced Concrete "NIIZhB"); 300 copies; price not given; list of author's works at text's end (10 entries); (KL, 7-61 sup, 247)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520020-5"

FAYTEL'SON, L.A., inzh.

Effect of vibration mixing on properties of the concrete mix. Trudy NIIZHB no.21:49-58 '61. (MIRA 14:12)

1. Institut stroitel'stva i arkhitektury (N Latviyskoy SSR. (Vibrated concrete)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520020-5"

TATE AND THE REPORT OF THE PROPERTY OF THE PARTY OF THE P

FAYTEL'SON, L.A., inzh.

Determination of the rheological properties of a concrete mix.

Trudy NIIZHB no.21:286-291 61. (MIRA 14:12)

1. Institut stroitel'stva i arkhitektury AN Latviyskoy SSR. (Precast concrete)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520020-5"

FAYTEL'SON, Lev Aronovich; VENGRANOVICH, A., red.; BITAR, A., tekhn.
red.

[Compaction of concrete in molds] Uplotnenie betona v kassetnykh formakh. Riga, Izd-vo Akad. nauk Latviiskoi SSR,
1962. 17 p. (MIRA 15:6)

(Vibrated concrete)

DESOV, A.Ye., doktor tekhn.nauk; KOROLEV, K.M., kand.tekhn.nauk; MALTHOVSKIY, A.G., inzh.; FAYTEL SON, L.A., kand.tekhn.nauk

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Results of testing vibromixing machinery. Trudy NIIZHB no.33:41-63 (MIRA 18:2)

1. Nauchno-issledovatel'skiy institut betona i zhelezobetona Gosstroya (for Desov, Korolev, Malinovskiy). 2. Institut stroitel'stva i arkhitektury AN Lativiyskoy SSR (for Faytel'son).

FAYTMI'SON, L.A., kand.tekhm.rauk; LINARTS, P.F., inzh.; BRIYEDIS, I.P., inzh.

Vertical molding of precast reinforced concrete elements by the vibratory piston method. Trudy NIIZHB no.33:292-333 *64.

(MIRA 18:2)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520020-5"

FAYTEL'SON. Lay Aronovich: LINARTS, P.; ERIEDIS, I; SHUL'TS, I., red.

[Experience in the vibropiston molding of prefabricated reinforced concrete constructions] Opyt vibroporshnevogo formovaniia sbornykh zhelezobetomykh konstruktsii.

Riga, Izd-vo AN Latviiskoi SSR, 1965. 84 p.

(MIRA 18:7)

L 20412-66 EWT(m)/EWP(j)/T/ETC(m)-6 WW/RM ACC NR. AP6008408 (A) SOURCE CODE: UR/0374/66/000/001/0130/0138 AUTHOR: Briyedis, I. P.; Faytel'son, L. A. ORG: Institute of Mechanics of Polymers, Academy of Sciences, Latvian SSR, Riga (Institut mekhaniki polimerov Akademii nauk Latviyskoy SSR) TITLE: Calculation of inertia in a dynamic measurement of rheological characteristics SOURCE: Mekhanika polimerov, no. 1, 1966, 130-138 TOPIC TAGS: polymer, polymer structure, shear modulus, vibration propagation, critical wavelength, impact toughness, polymer rheology ABSTRACT: The evaluation of dynamic shear modulus and impact toughness in polymer materials by means of the Fitzgerald-Ferry apparatus is given. Limit heights of samples are obtained for which the wave character of the propagation of vibrations may be neglected. Agreement of the values of rheological constants which were obtained with and without account for inertia is observed at ratios of heights of specimens to wavelengths below 0.02-0.05. Above this limit, discrepancy grows rapidly and attains magnitudes to which the recommended formulas (J. D. Ferry, Vyazkouprugiye svoystva polimerov. M. 1963; E. R. Fitzgerald, J. D. Ferry, Coll. Sci., 1953, 1; G. V. Vinogradov, Yu. G. Yanovskiy, Zav. lab., 1965, 1; Yu. G. Yanovskiy, G. V. Vinogradov, Mekh. polim. 1965, 4, 106) are inapplicable. Depend-Card 1/2 UDC: 678:534.641

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ROZENSHTRAUKH, L.S., doktor meditsinskikh nauk; FAYTEL'SON, L.D.

Device for double contrast in roentgenological examination of the stomach. Vest.rent.i rad. 36 no.3:54-55 My-Je '61. (MIRa 14:7)

1. Iz 2-y kafedry rentgenologii i radiologii (zav. - prof. Yu.N. Sokolov) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. M.D.Kovrigina).

(STOMACH-RADIOGRAPHY)

IATTEL'SON, S.Kh., inshener.

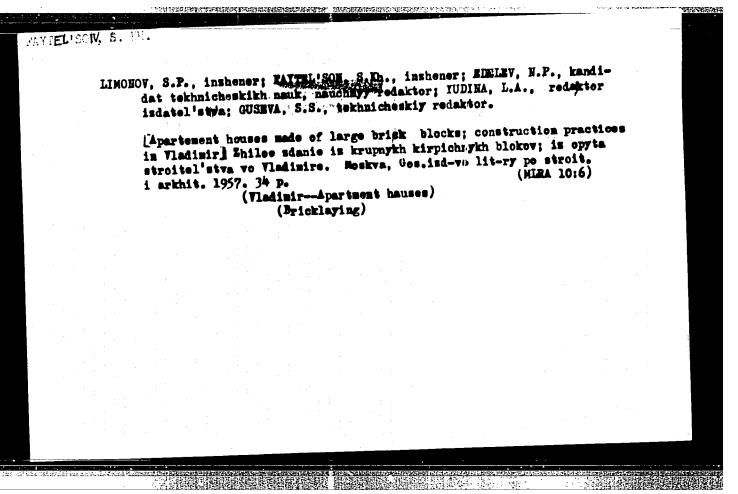
Precast reinforced concrete frames for window openings, Biul. stroi. tekh. 13 no.9:10-12 S '56. (MIRA 9:11)

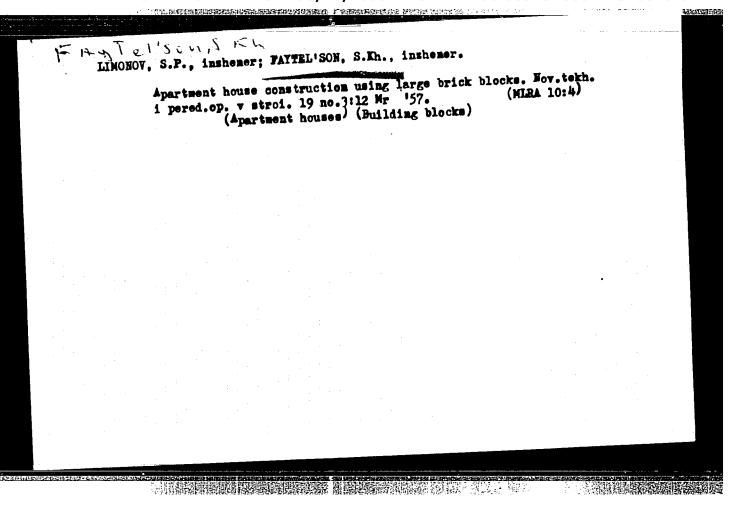
1. Stroytrest no.94, gorod Vladimir. (Windows)

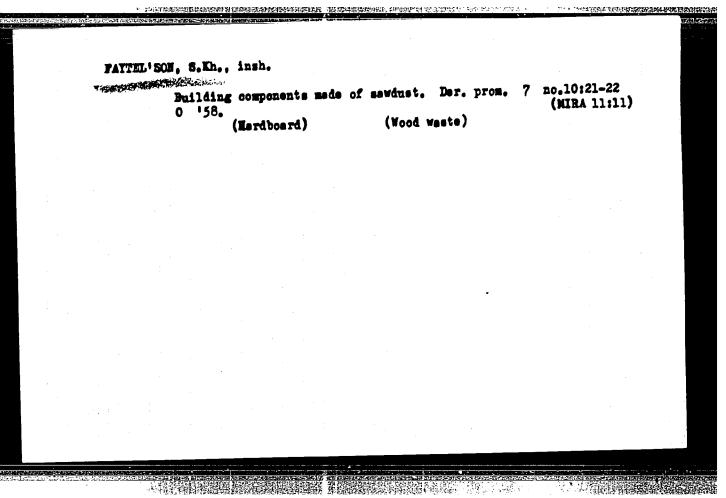
PAYTEL'SOH, S.Kh., inzhener.

Making brick blocks in construction yards. Stroi.prom. 34 no.1:
37-38 Ja '56.

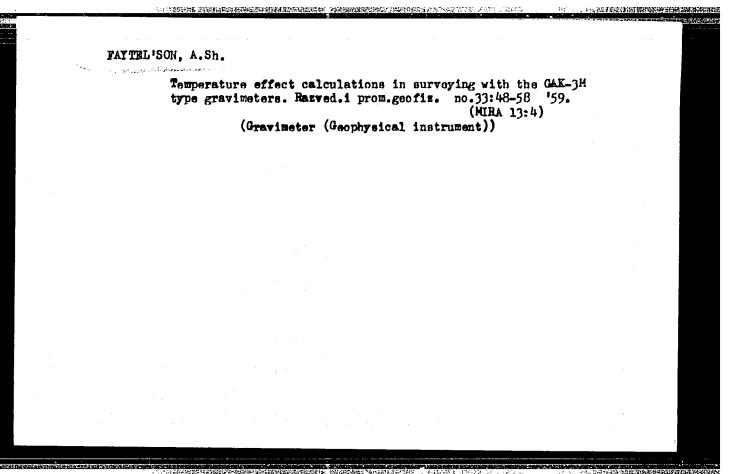
(Building blocks)







,	All-purpose	traverse. Stroitel' no.1:13 Ja '59. (Cranes, derricks, etc.)	(MIRA 12:3)	



FAYTEL SON, V.M., starshiy prepodavatel

Some antiMarxist concepts of freedom in the German Federal Republic. Report No.5. Sbor. trud. Kursk. gos. med. inst. no.16:22-30 '62. (MIRA 17:9)

l. Iz kafedry marksizma-leninizma Kurskogo gosudarstvennogo meditsinskogo instituta (zav. - dotsent G.K. Lunev) i Instituta povysheniya kvalifikatsii prepodavateley obshchestvennykh nauk pri Moskovskom gosudarstvennom universitete (nauchnyy rukovoditel' - dotsent A.K. Kurylev).

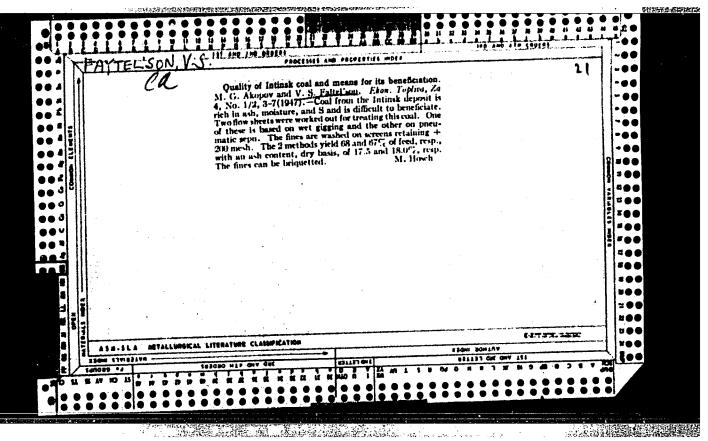
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FAYTEL:SON, V.M., starshiy prepodavatel'

Some antiMarxist concepts of freedom in the German Federal Republic. Report No.6. Sbor trud. Kursk. gos. med. inst. no.16:31-38 '62. (MIRA 17:9)

1. Iz kafedry marksizma-lenizma Kurskogo gosudarstvennogo meditsinskogo instituta (zav. - dotsent G.K. Lunev) i Instituta povysheniya kvalifikatsii prepodavateley obshchestvennykh nauk pri Moskovskom gosudarstvennom universitete (nauchnyy rukovoditel! - dotsent A.K.Kurylev).



FATTEYEY, A.A.

Water cooling of a rotary fritting furnace. Stek. i ker.
13 no.9:30 S 156. (MLRA 9:10)

(Smolensk--Glass manufacture)

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APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520020-5"

18 (7) AUTHORS:

Kiseleva, S. A., Fayvilevich, C. A.

SOV/32-25-5-16/56

TITLE:

Use of Color Metallography for the Investigation of Ironchrome Alloys (Primeneniye tsvetnoy metallografii k

issledovaniyu zhelezokhromistykh splavov)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 570-571 (USSR)

ABSTRACT:

The present paper describes the use of color pickling for the investigation of structural transformation processes in the thermal treatment of binary iron chrome alloys (39.15 % Cr and 0.035 % C). L. G. Apolovnikova carried out the chemical pickling mainly in aqueous solutions (4 g KMnO₄, 4 g Na₂O₂ on 100 ml of water) at 90° and a duration of 2-3 minutes. The color photographs of the microstructure were prepared by Yu. I. Smirnov. The best results were obtained when prior to chemical pickling an electrolytic pickling (in 10 g CrO₃ on 100 ml of water or 1 g picric acid, 5 ml hydrochloric acid and 95 ml

water or 1 g picric acid, 5 ml hydrochloric acid and 95 ml ethanol) took place. The coloring reagent may be supplied by a boiling solution consisting of: 10 g K₃Fe(CN)₆, 10 g KOH,

100 ml of water or 30 g K₃Fe(CN)₆, 30 g KOH and 100 ml of

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Use of Color Metallography for the Investigation of Iron-chrome Alloys

SOV/32-25-5-16/56

water (Ref 3). A special arrangement (Fig 1) was devised for the hot pickling of the samples, making it possible to carry out heating in vacuum followed by an exidation of the polished microsection surface at atmospheric pressure. The apparatus features a diffusion pump TsVL-100, a rotating oil pump VP-461, a monometer container LT-2 and MM-2 and a vacuum meter VIT-1. A few color photographs of different pickled microsections are shown (Figs 2-5). Depending on the mode of pickling the individual metal phases are differently colored. Pickling with alkaline ferrocyanide shows that the separation of the c-phase is concentrated all around the caroide particles. Proportionally to the annealing duration also a partial penetration of the c-phase into the grain bodies was observed. The work under review was carried out under the advice of A. N. Chervyakov. There are 5 figures and 2 references, 1 of which is Soviet.

ASSOCIATION:

Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (Central Scientific Research Institute of Ferrous Metallurgy)

Card 2/2

KISELEVA, Sof'ya Aleksandrovna; <u>FAYVILEVICH.</u> Galina Aminondovna; BERLIN, Ye.N., red.izd-va; MIKHAYLOVA, V.V., tekhn.red.; EVENSON, I.M., tekhn.red.

ALIGNARIA BERTARA BERT

[Metallography of nonferrous metals] TSvetnaia metallografiia. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po chernoi i tavetnoi metallurgii, 1960. 109 p. (MIRA 14:1)

(Nonferrous metals -- Metallography)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520020-5"

VINOGRAD, M.I.; KISÉLEVA, S.A.; SMIRNOVA, A.V.; KRASNOVA, A.K.; FAYVILLEVICH, G.A.; PAYPEROVA, I.A.; SMIRNOV, Yu.I.

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"Metallography laboratory" by E.V.Panchenko and others. Reviewed by M.I.Vinograd and others. Zav.lab. 26 no.1:127-128 '60.

(MIRA 13:5)

(Metallography)

\$/126/61/012/002/017/019 E073/E535

Ravdel', M.P. and Fayvilevich, G. A. AUTHORS:

Polygonization in manganese-base alloys TITLE:

PERIODICAL: Fizika metallov i metallovedeniye, 1961, Vol.12, No.2, pp.294-296

The authors studied the microstructure of the Mn-Cu-Ni TEXT: alloy containing 67% Mn, 20% Ni, rest copper. At room temperature alloys of this type have a "block" microstructure which can be revealed by means of ordinary chemical etching in a 3% aqueous solution of hydrochloric acid. R. S. Dean et al. (Ref.l: TASM, 1945, 34, 443) attributed this structure to the effect of grinding To elucidate the problem as to whether this and polishing. block structure characterizes a high temperature solid solution or whether it is formed during the cooling process, investigations were carried out during the process of heating to 800°C and subsequent cooling to room temperature. The microstructure was investigated in vacuo on unetched polished sections after electrolytic polishing and in a pure hydrogen atmosphere. Neither in vacuo nor in hydrogen did thermal etching reveal a block Card 1/4

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520020-5"

Polygonization in manganese-base alloys S/126/61/012/002/017/019 E075/E535

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structure. At 400 to 500°C grain boundaries were revealed, which remained unchanged during the further process of heating. At 800°C an instantaneous breaking up of the original grains occurred and a structure formed, a microphotograph of which is reproduced in the paper. Cooling did not result in great changes in structure; the initial grains were broken up into fragments of 5-10 µ and the boundaries of these fragments represent regular rows of etching points distributed at certain intervals. The particular breaking up of the grains observed during the process of heating may be associated with polygonization formation of ordered systems of dislocations as a result of their displacement in the crystal lattice during the process of heating. Similar structures were observed (for preliminary deformation and annealing) in Fe-Al alloys by B. V. Molotilov (Ref.4: FMM, 1959, 8, 3, 463) and in re-Si alloys by C. Dunn and W. Hubbard (Ref. 5: Acta met., 1955, 3, 409; 1956, 4, 307) and in aluminium by P. Lacombe, L. Beaujard and R. W. Cahn (Ref.6: J.Inst. Met., 1948, 74, 1; 1949, 76, 121). These structures were revealed by ordinary chemical etching at room temperature. In the Mn-Cu-Ni alloy only thermal etching enabled. Card 2/4

Polygonization in manganese-base alloys S/126/61/012/002/017/019 E073/E535

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for the first time direct observation of grain refining during heating to 800°C of a preliminarily quenched alloy. In manganese alloys this can be associated with the anomalously high coefficient of thermal expansion and the development during heating of large thermal stresses which result in plastic deformations (illustrated in the case of impulse heating by slip lines in a microphotograph, which is reproduced in the paper). The block structure revealed by ordinary chemical etching did not permit observation of polygon boundaries. The block structure, which so far has been revealed by chemical etching only in solid solutions with a face-centered cubic lattice, is attributed to dislocations. Similar structures were theoretically predicted for metals with a face-centered cubic lattice by T. Sudzuki and T. Imura (Ref. 7: Problems of Modern Physics, 1957, 9, 80) and observed experimentally in chemically etched Al-Mn alloys. The authors explain the nature of such a substructure by a regular distribution of dislocations. In Mn-Cu-Ni alloys the disappearance of the block boundaries during decomposition is accompanied by the appearance of a large number of chaoticalloy distributed etching pits, which may be the result of Card 3/4

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520020-5"

Polygonization in manganese-base alloys S/126/61/012/002/017/019 E073/E535

individual dislocations which previously were regularly distributed at the block boundaries. There are 4 figures and 7 references: 3 Soviet and 4 non-Soviet.

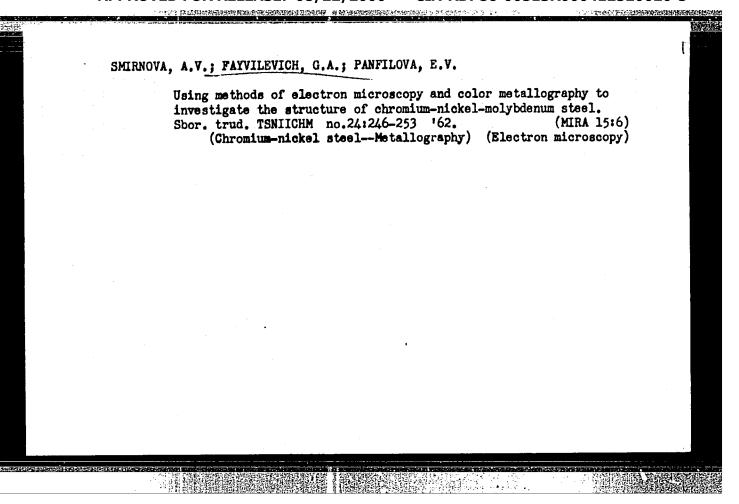
ASSOCIATION: Institut pretsizionnykh splavov TsNIIChM (Institute of Precision Alloys TsNIIChM)

SUBMITTED: November 25, 1960

Card 4/4

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FAYVILEVICH, G.A.; KOKORIN, G.A.; YAKOVLEVA, Ye.D.; SMIRNOV, Yu.I.

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Using methods of color metallography for the analysis of certain carbides and intermetallic compounds. Sbor. trud. TSNIICHM no.24:284-300 '62. (MIRA 15:6) (Alloys-Metallography) (Intermetallic compounds)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412520020-5"

S/032/62/028/007/002/011 B104/B102

AUTHORS:

Smirnova, A. V., Fayvilevich, G. A., and Panfilova, E. V.

TITLE:

Combined use of electron microscopy, color metallography, and magnetic metallography for structural analyses of

high-alloy steels

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 7, 1962, 817 - 818

TEXT: Valve steel (0.42% C, 0.48% Si, 1.1% Mn, 20.57% Cr, 4.74% Ni, 2.43% No) hardened at 1000, 1050, and 1125 C and subsequently aged at 800°C for 10 hrs was subjected to phase analysis by electron microscopy, color metallography, and magnetic metallography. Phase analysis could not be carried out with an optical microscope. Magnetometallographic examination revealed a magnetic (5-ferrite) phase and a non-magnetic examination revealed a magnetic (5-ferrite) phase and a non-magnetic (austenite) phase. Electron diffraction studies showed that the carbides (austenite) phase. Electron diffraction studies showed that the carbides (austenite) phase are stablished by etching with ferrocyanide had the composition Me₂₃C₆ with

a lattice parameter a = 10.5 Å. The electron microscope revealed particles with a size of 0.1 μ at the grain boundaries of the hardened

Card 1/2

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5/032/62/028/007/002/011 B104/B102

Combined use of electron microscopy...

steel. The growth of these particles after aging and their distribution were investigated. They were subjected to thermal etching and identified as the 6-phase. During the aging process the austenite decomposes according to the kinetics of martensite. There are 2 figures.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii im. I. P. Bardina (Central Scientific Research Institute of Ferrous Metallurgy imeni I. P. Bardin)

Card 2/2

FAYVILEVICH, G.A.; RAVDEL', M.P.

Applying high-temperature metallography to the investigation of manganese-base alloys. Sbor. trud. TSNIICHM no.24:204-224 '62. (MIRA 15:6)

(Manganese alloys--Metallography) (Metals, Effect of temperature on)

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AUTHOR: Fayvilevich, G. A. TITLE: Exposure of chemical nonhomogeneity of structural component	57 s in alloys	
TITLE: Exposure of chemical monnomogeneity by heat etching SOURCE: Zavodskaya laboratoriya, v. 29, no. 7, 1963, 814-815 and p		
SOURCE: Zavodskaya laboratoriya, following p. 816 TOPIC TAGS: alloy, nonhomogeneity, heat etching, sutectic alloy,	the control of the co	
soft solder, austenius	anducted by	
heating the samples in solt sold atmospheric oxygen. The classification polished microcut surface by atmospheric oxygen. The classification polished microcut surface by means of electrochemical, X-respectively. In the cast alloy E1847 tronographic methods of phase analysis. In the cast alloy E1847 tronographic methods of phase analysis.	cation of the ay, and elec- he austenite f niobium	
was dyed yellow and orange-brown. Blue, elongated tarborned sections and a white alpha phase were located in the light-colored sections Magniko-type alloy a similar picture was obtained, and it was foun	d that in the	
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yellow austenite sections the hardness was 280-261 and 273-261, while that of the orange-brown sections amounted to 218-205 and 218-201. In the nickel-aluminum alloy, containing 21.6% Al, minute particles of strongly oriented Ni₂ Al phase are separated (after quenching at 1250C and 1000 hours aging at 850C). The coloration of these phases is dual. The brown field is gradually being filled with little blue squares. Phase Ni₂Al becomes stained into a uniform blue color only after aging for 2000 hours. In the iron-molybdenum alloy, containing 29.92% Mo, there should be present at equilibrium a Fe₇ Mo₆ phase, and the etching technique actually brought out in such a cast alloy a dual coloration of an intercrystal. N. A. Vilochkin, L. A. Nikitina, and Yu. I. Smirnov participated in the work.

ASSOCIATION: Teentral'nysy nauchno-issledovatel'skiy institut chernoy metallurgii im. I. P. Bardina (Central Scientific Research Institute of Ferrous Metallurgy)

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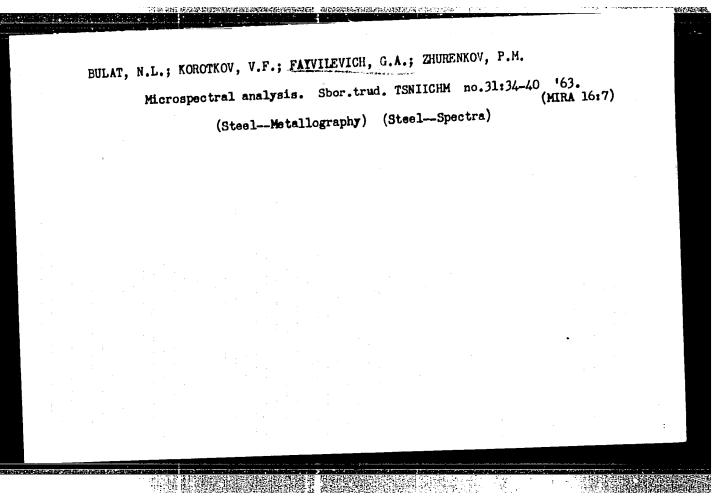
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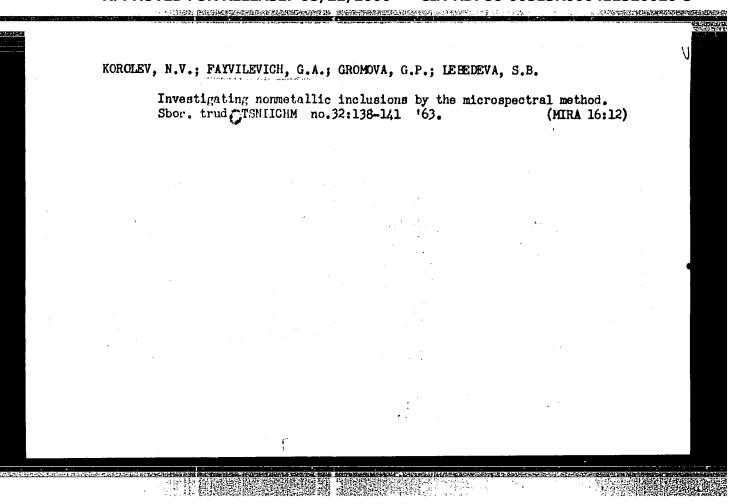
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MOROLEV, N.V., FRIVILEVICH, C.A.

Microspectral method of studying nonmetallic inclusions.

Zav. lab. 30 no.5:557-558 '64. (MIRA 17.5)

High-temperature metallography with motion-picture photography.
Sbor. trud. TSNIICHM no.38:16-21 '64. (MIRA 18:3)

EPA(6)-2/EPR/ENT(m)/EPA(bb)-2/ENP(b) T ENA(i) EMF(t P= -41 10P(c JD/HW \$/2776/64/000/038, 008h 0094 AUCESSION NR: AT5003401 AUTHOF Fayvilevich, G. A.; Gerasimenko, A. A.; Lebedeva, S. B. and the second of the second o metallic inclusions in the allows of the We-Ni-Al system used for peron the secow. Tsentral nyy nauchno-issledovateľ skiv ipatitut chernov metal-- alk trudov, no. 38, 1964. Novove metado papatanto metallos, metal-. . . we feeledovarive i mekhanicheskive ispitus a New methods our analyses or a loss of metals, metallographic incoverge of metals), 86-94 TOPIC TAGS: acid crucible, basic crucible, Magnico, deformability, nonmetallic inclusion, alloy magnetic property, corundum, aluminosilicate glass, magnet ABSTRACT: A comparison of two types of crucibles and their effect on non-metallic The large to Magnico (24% Co. 14% Ni. 8.5% Al. 3% Ct. Salance Pe) showed the adquartizite crucible was composed of crushed glass, To and Nt with Go and Gu additives. Metallographic examination revealed inclusions consisting of films of a special type of aluminosilicate glass and corundum crystal particles. Specimens

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produced in a basic magnesite crucible under conditions of diffusive deoxidation and with synthetic slag contained a substantially smaller number of inclusions, consisting primarily of small corundum accumulations or individual corundum articles. Metal porosity was considerably lower while the soundness of the casting was much higher. The rolling of a cast Magnico sheet bar proved that it had satisfactory plasticity. Furthermore, the effect of the basic crucible was also beneficial with regard to residual induction and magnetic energy. Orig. art. has:

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ASSOCIATION: Teentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii, Moscow (Central ferrous metallurgy scientific research institute)

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